

## CLAIMS

1. Amino acid composition or amino acid solution for improving central nervous functions comprising threonine, proline, glycine, valine, isoleucine, leucine, tyrosine, phenylalanine, lysine,  
5 aspartic acid, serine, glutamic acid, alanine, methionine, tryptophan, histidine and arginine.
2. The amino acid composition or the amino acid solution for improving the central nervous functions as defined in claim 1,  
10 wherein the respective amino acids are contained such that 2 to 15 moles of threonine, 4 to 30 moles of proline, 7 to 20 moles of glycine, 4 to 8 moles of valine, 3 to 9 moles of isoleucine, 2 to 12 moles of leucine, 1 to 9 moles of tyrosine, 0.5 to 5 moles of phenylalanine, 5 to 11 moles of lysine, 0.1 to 5 moles of aspartic  
15 acid, 0.1 to 5 moles of serine, 0.1 to 4 moles of glutamic acid, 0.1 to 12 moles of alanine, 0.1 to 5 moles of methionine, 0.1 to 5 moles of tryptophan, 0.1 to 5 moles of histidine and 0.1 to 5 moles of arginine are satisfied.
- 20 3. Tryptophan-free amino acid composition or amino acid solution for improving central nervous functions comprising threonine, proline, glycine, valine, isoleucine, leucine, tyrosine, phenylalanine, lysine, aspartic acid, serine, glutamic acid, alanine,

methionine, histidine and arginine.

4. The tryptophan-free amino acid composition or the amino acid solution for improving the central nervous functions as  
5 defined in claim 3, wherein the respective amino acids are contained such that 2 to 15 moles of threonine, 4 to 30 moles of proline, 7 to 20 moles of glycine, 4 to 8 moles of valine, 3 to 9 moles of isoleucine, 2 to 12 moles of leucine, 1 to 9 moles of tyrosine, 0.5 to 5 moles of phenylalanine, 5 to 11 moles of lysine, 0.1 to 5 moles  
10 of aspartic acid, 0.1 to 5 moles of serine, 0.1 to 4 moles of glutamic acid, 0.1 to 12 moles of alanine, 0.1 to 5 moles of methionine, 0.1 to 50 moles of histidine and 0.1 to 5 moles of arginine are satisfied..